

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

Work Order ID 150325

Wednesday, August 24, 2016 11:41:45 AM

150325

Page 2

Item ID: D212-580-043

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Led Pulse Light

Start Date: 8/17/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 8/24/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Pick Kit	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD212-580-043 Location: FG018								
140	QC21- Final Inspection - Work Order Release	0.02							
140									
QC	Memo	0.03							
Quality Control									

X2 SmB
16/9/27DAS
21
9-89

SEP 27 2016

DAS
21
9-89

SEP 27 2016

SEP 27 2016

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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection-Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐				

Picklist Print

Wednesday, August 24, 2016 11:41:44 AM

Page 1

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 10-05-11 JLM VERIFIED BY:DD IPP
rev:B 10.10.12 AS PER ECN10-618 DD VRF:JLM IPP rev:C
10.11.22 AS PER ECN10-642 DD VRF:JLM IPP rev:D 10.12.16
AS PER ECN10-658 DD VRF:EC IPP rev:E 11.03.31 added
D4377-1 DD VRF:EC IPP REV:F 12.02.24 as per DSI9596
rev a DD vrf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
EWLA1000DBDS0W *FWI A1000DBDS0W* LED Light		Purchased	No			110	Each	19.0000	2 **	4			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				ST540				19					
				149486				19		4			
D4078-1 *D4078-1* Clamp Half		Manufactured	No			110	Each	14.0000	2 **	4			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				ST077				14					
				144751				14		4			
D4079-1 *D4079-1* Clamp Half, Attachment		Manufactured	No			110	Each	14.0000	2 **	4			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>					
				ST077				14					
				144778				14		4			

SEP 09 2016

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Picklist Print

Wednesday, August 24, 2016 11:41:44 AM

Page 2

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

D4081-1

Manufactured No

110

Each

23.0000

2

4

D4081-1

Bushing

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST078

23

145591

23

MS26574-3

Purchased

No

110

Each

4.0000

1

MS26574-3

CIRCUIT BREAKER

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST281

4

m134761

4

MS22073-3

Purchased

No

110

Each

9.0000

1

2

MS22073-3

CIRCUIT BREAKER

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST290

9

m134491

3

m135297

6

MS24524-21

Purchased

No

110

Each

5.0000

1

2

MS24524-21

SWITCH (ON-OFF-ON)

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST290

5

m135349

5

SEP 09 2016

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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
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Picklist Print

Wednesday, August 24, 2016 11:41:44 AM

Page 3

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150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

1210/2405-2A

Purchased

No

110

Each

10.0000

1

2

1210/2405-2A

PULSE LIGHT MODULE

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST

4

145508

4

ST540

6

146262

3

m134455

3

2

206486-2

Purchased

No

110

Each

6.0000

1

2

206486-2

CONNECTOR, SOCKET (J1000)

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST577

6

m125901

6

2

206485-1

Purchased

No

110

Each

6.0000

1

2

206485-1

CONNECTOR, PLUG (J1000)

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST576

6

M134712

6

2

206458-1

Purchased

No

110

Each

6.0000

1

2

206458-1

FEED-THRU-RECEPTACLE (J2/J3)

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST576

6

M132568

6

2

SEP 09 2016

Wednesday, August 24, 2016 11:41:44 AM

Shop Packet Print

Page 3

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Wednesday, August 24, 2016 11:41:44 AM

Page 4

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

206460-1 Purchased No

110 Each

7.0000

1

2

★★

206460-1

CONNECTOR, PLUG (P2)

DAS
27
9-89

Location

Loc Qty

Loc Code

ST577

7

M134076

7

205838-1 Purchased No

110 Each

9.0000

1

2

★★

205838-1

CONNECTOR, PLUG (P3)

DAS
27
9-89

Location

Loc Qty

Loc Code

ST576

9

M132660

3

M134905

6

M39029/64-369 Purchased No

110 Each

41.0000

10

20

★★

M39029/64-369

Connector, Pins (J1000)

DAS
27
9-89

Location

Loc Qty

Loc Code

ST566

41

m134314

1

m134739

40

M39029/63-368 Purchased No

110 Each

92.0000

30

60

★★

M39029/63-368

CONTACTS, SOCKETS (P1000)

DAS
27
9-89

Location

Loc Qty

Loc Code

ST566

92

M134739

32

M135349

60

SEP 09 2016

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Wednesday, August 24, 2016 11:41:45 AM

Page 5

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

1-206062-4

Purchased

No

110

Each

17.0000

4 8

1-206062-4

Contacts, Sockets (P1000)

DAS
27
9-89

**

PC

DAS
8
9-89

AN4-17A

Purchased

No

110

Each

129.0000

2 4

AN4-17A

Bolt

DAS
27
9-89

**

PC

DAS
8
9-89

Location

Loc Qty

Loc Code

st572

17

m134762

17

Location

Loc Qty

Loc Code

MF

50

M135407

50

over003

50

M135464

50

ST343

29

M135056

29

AN3-7A

Purchased

No

110

Each

247.0000

4 8

AN3-7A

Bolt

DAS
27
9-89

**

PC

DAS
8
9-89

Location

Loc Qty

Loc Code

over003

225

m135058

225

ST349

22

m134606

22

SEP 09 2016

Wednesday, August 24, 2016 11:41:45 AM

Shop Packet Print

Page 5

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Misidentified ☐	Past Due ☐																																																																

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Wednesday, August 24, 2016 11:41:45 AM

Page 6

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

110

Each

2,179.000

2

4

MS21042L 4

Nut

**

PC 8 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

51

m133363

51

GA

424

m133769

116

m135058

308

ST3003

25

m134955

25

ST303

1679

m133769

12

m134055

24

m135297

643

m135470

1000

4

MS21042L3

Purchased

No

110

Each

1,576.000

7

14

MS21042L 3

Nut

**

PC 8 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

14

m133790

14

GA

531

m134360

112

m135135

419

ST303

1031

m134039

12

m135056

7

m135135

412

m135407

600

14

SEP 09 2016

Wednesday, August 24, 2016 11:41:45 AM

Shop Packet Print

Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

Picklist Print

Wednesday, August 24, 2016 11:41:45 AM

Page 7

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0463J

Purchased

No

110

Each

2,510.000

4

8

NAS1149D0463.J

Washer

**

PC

DAS
8
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

240

M132035

15

M134508

32

M135056

193

ST260a

1000

M135407

1000

ST263

1258

M134039

24

M135390

1234

ST2663

12

M134039

12

NAS1149D0363J

Purchased

No

110

Each

1,481.000

8

16

NAS1149D0363.J

Washer

**

PC

DAS
8
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

352

m134055

352

ST263

1129

m134955

129

m135297

1000

AN525-832R10

Purchased

No

110

Each

98.0000

4

8

AN525-832R10

SCREW

**

PC

DAS
8
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST326

97

m134754

97

ST328

1

m128936

1

SEP

Wednesday, August 24, 2016 11:41:45 AM

Shop Packet Print

Page 7

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

Picklist Print

Wednesday, August 24, 2016 11:41:45 AM

Page 8

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L08

Purchased

No

110

Each

946.0000

4

8

MS21042L08

Nut

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

CCK003

125

m135408

125

GA

131

m134063

131

ST303

690

m133922

37

m135046

153

m135133

100

m135274

100

m135466

300

DAS
27
9-89

NAS1149DN816J

Purchased

No

110

Each

253.0000

8

16

NAS1149DN816J

WASHER

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST264

253

m128057

253

MS35206-217

Purchased

No

110

Each

963.0000

4

8

MS35206-217

SCREW

**

PC

DAS
6
9-89

Location

Loc Qty

Loc Code

ST272

963

m133799

963

DAS
27
9-89

SEP 09 2016

Wednesday, August 24, 2016 11:41:45 AM

Shop Packet Print

Page 8

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

Picklist Print

Wednesday, August 24, 2016 11:41:45 AM

Page 9

Work Order ID: 150325

150325

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 8/17/2016

Required Date: 8/24/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L04

Purchased

No

110

Each

122.0000

4

8

MS21042L04

NUT

**

je

DAS 6 9-89

Location

Loc Qty

Loc Code

ST303

114

125653

60

M129682

54

ST305

8

M130388

8

8

NAS1149DN432J

Purchased

No

110

Each

105.0000

8

NAS1149DN432J

WASHER

**

16

x m 7636 pL

DAS 6 9-89

Location

Loc Qty

Loc Code

ST265

105

m129682

105

110

Each

5.0000

1

2

D4377-1

Manufactured

No

D4377-1

Placard

**

PK

DAS 6 9-89

Location

Loc Qty

Loc Code

ST095

5

142576

5

2

DAS 27 9-89

SEP 09 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

7.0 PARTS LIST

Qty	Part Number	Description
X	D212-580-043	LED Pulse Light Kit
2	EWLA1000DBDS0W	LED Light
2	D4078-1	Clamp Half
2	D4079-1	Clamp Half, Attachment
2	D4081-1	Bushing
1	MS26574-3	Circuit Breaker
1	MS22073-3	Circuit Breaker
1	MS24524-21	Switch (On-Off-On)
1	1210/2405-2A	Pulse Light Module
1	206486-2	Connector, Socket (J1)
1	206485-1	Connector, Plug (P1)
1	206458-1	Feed-thru, Receptacle (J2/J3)
1	206460-1	Connector, Plug (P2)
1	205838-1	Connector, Plug (P3)
10	M39029/64-369	Contacts, Pins (J1)
30	M39029/63-368	Contacts, Sockets (P1/P2/P3)
4	1-206062-4	Connector Backshell
2	AN4-17A	Bolt
4	AN3-7A	Bolt
2	MS21042L4	Nut
7	MS21042L3	Nut
4	NAS1149D0463J	Washer
8	NAS1149D0363J	Washer
4	AN525-832R10	Screw
4	MS21042L08	Nut
8	NAS1149DN816J	Washer
4	MS35206-217	Screw
4	MS21042L04	Nut
8	NAS1149DN432J	Washer
1	D4377-1	Placard

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Revision: D

Date: 12.06.13